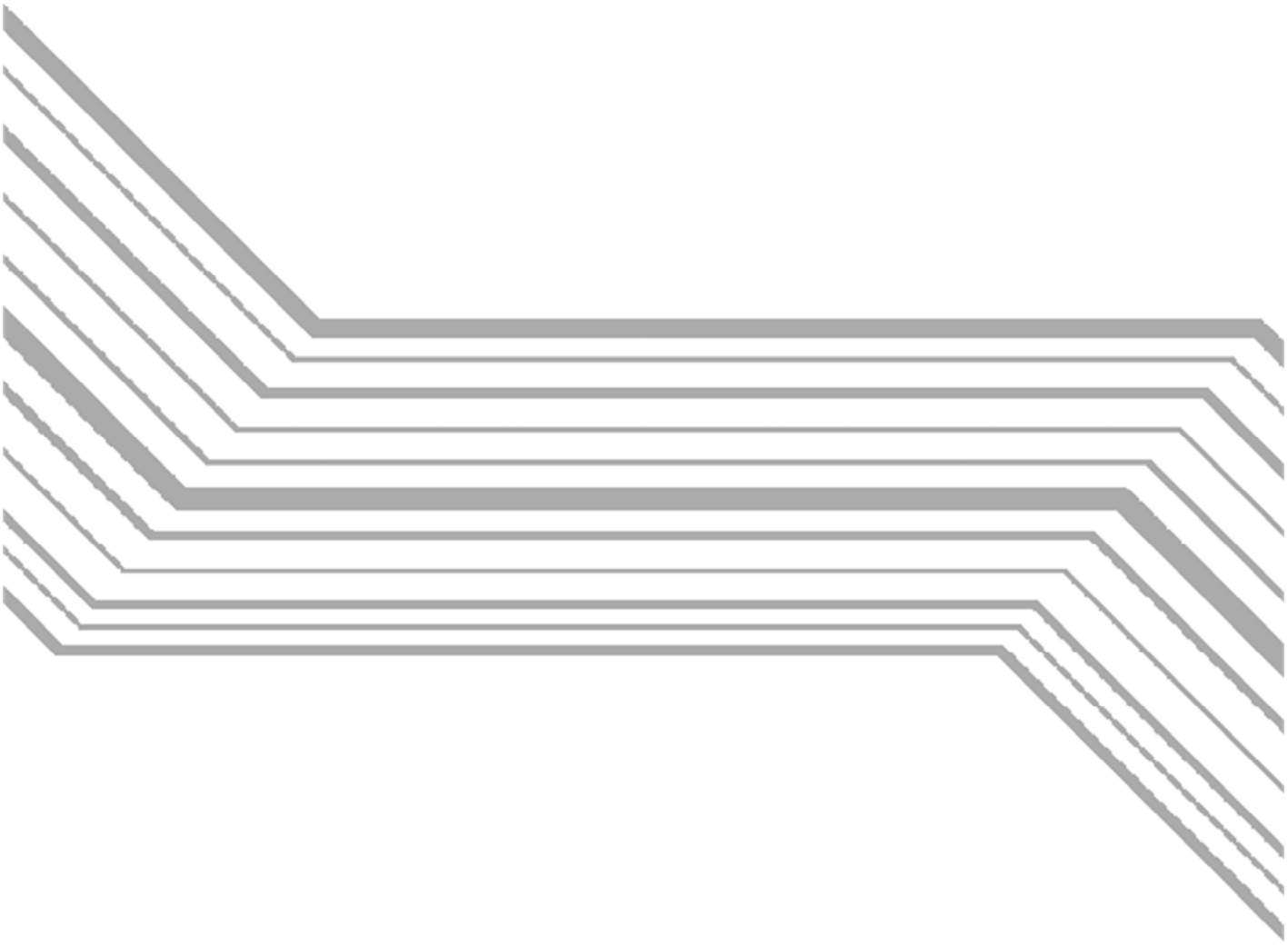
DENSO



Active USB-COM Port Driver

Installation Guide

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Preface

This manual describes installation/uninstallation of Active USB-COM Port Driver.
Please read first before using devices those need Active USB-COM Port Driver.

■ Obtaining This Product and the Latest Information

This product and the latest information can be obtained by accessing the below URL.
http://www.qbdirect.net/

Those customers who have purchased DENSO WAVE products can obtain more detailed information from our exclusive Web site for registered users (QBdirect). Please refer to the following URL.
http://www.qbdirect.net/

■ Related Publications

Operator's Guide and User's Manual of the USB devices made by DENSO WAVE that use Active USB-COM Port Driver.

■ Screen Indication

The lettering in the screens in this manual is a little different from that in the actual screens. Device names used are only for description purpose, so they will not appear if you have not set devices having those names.

■ Intellectual Property Precaution

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Contents

1. OVERVIEW OF ACTIVE USB-COM PORT DRIVER 1

1.1 USAGE ENVIRONMENT 1
1.2 FEATURES 1
1.3 NOTICE 2
1.4 DIFFERENCES FROM USB-COM PORT DRIVER 1.X 2

2. INSTALLATION 3

2.1 STEPS OF INSTALLATION 3
2.2 [STEP1] INSTALLATION OF VIRTUAL SERIAL PORT DRIVER 4
2.3 [STEP2] INSTALLATION OF USB DRIVER 10
2.4 HOW TO UNPLUG THE HARDWARE IN SAFETY 15
2.5 CHANGING THE COM PORT NUMBER 15
2.6 HOW TO USE MICROSOFT ACTIVESYNC THROUGH CU (WINDOWS XP ONLY) 16

3. UNINSTALLATION 20

3.1 UNINSTALLATION OF ACTIVE USB-COM PORT DRIVER 20
3.2 UNINSTALLATION OF SERIAL CABLE USING IRDA PROTOCOL DRIVER 24

1. Overview of Active USB-COM Port Driver

This section describes the overview of Active USB-COM Port Driver.

1.1 Usage environment

■ **Supported Windows OS**

Windows XP (32bit), Windows Vista (32bit), Windows 7 (32bit/64bit),
Windows 8 (32bit/64bit)

■ **Supported Devices**

The operations of the following USB devices made by DENSO WAVE have been checked with Active USB-COM Port Driver.

Product	Models
2D Code Scanner	QK12-U, QK20-U, QK21-U, QB30-SU, GT10Q-SU, GT15Q-HU, AT10Q-SM/HM, AT20Q-SM(U), AT21Q-SM(U), AT25Q-SM(U), AT26Q-SM(U)
Bar Code Handy Scanner	HC56TU, HC56IITU, GT10B-SU, GT11B-SU, AT20B-SM(U), AT21B-SM(U)
Bar Code Handy Terminal	BHT-900B/BB, BHT-914B
Communication Unit	CU-8021, CU-221, CU-321, CU-421, CU-521, CU-621, CU-821, CU-921
Bluetooth Communication Adapter	BA10-RKU, BA11-RKU

1.2 Features

Active USB-COM Port Driver has following features.

- The USB device can be removed from the PC USB port while the application opens the Serial Port with which the USB device is connected. (It will be kept opening when the USB device is plugged into the USB Port again.)
- The Virtual Serial COM Port is always existed on PC even if the USB device is removed from the PC USB Port, so that the Serial Port can be opened anytime.
- On the task tray or the Device Manager, the COM port is confirmed which port the USB device is connected with.
- The communication unit (CU-221/CU-421) can be removed from the PC USB Port while connecting with PC by both serial IrDA protocol driver and Microsoft ActiveSync. (Windows XP only.)
  (It will be able to be re-connected when the CU is plugged into the USB Port again.)

1.3 Notice

Precautions in using Active USB-COM Port Driver are as follows:

- Please install the Active USB-COM Port Driver as the Administrator.
- The USB device can be removed and plugged into PC during communication. (COM port is opened.) However, communication data are lost while the USB device is removed. Please recovery the lost data with your application.
- This driver and the USB-COM Port Driver 1.x can not be used at the same time. The installer of this driver requires the uninstallation of USB-COM Port Driver 1.x. Please comply with the displayed message,
- The multiple use of the USB device is available when this driver is installed at the multiple times. However, this driver can not be individually uninstalled. (All the installed drivers are uninstalled at one time at the Windows Control Panel “Add or Delete Programs” (XP) or “Programs and Features” (Vista, 7, 8) utility.)

1.4 Differences from USB-COM Port Driver 1.x

The differences between Active USB-COM Port Driver and USB-COM Port Driver 1.x are shown on the below table.

Function	Active USB-COM	USB-COM 1.x
Need for the operation of “safely remove the USB device” when the USB device is removed	No need	Need
Serial Port Number release when the USB device is removed	Non-release	Release
Plugging the USB device into/off, during communication (COM Port is opened)	Possible	Impossible
Plugging the USB device into/off, while using Serial IrDA Protocol Driver	Possible	Impossible
Supported Windows Version	XP(32bit), Vista(32bit), 7(32bit/64bit) 8(32bit/64bit)	XP(32bit)

Note:

When using USB-COM Port Driver 1.x, if the connection of the USB device is checked with your application software, the check algorism may be re-made. Understand the features of Active USB-COM Port Driver and match them.

2. Installation

This section describes how to install Active USB-COM Port Driver. Here, the installation steps of Windows 8, Windows 7 and Windows XP are described. Perform them in accordance with the installation wizard about Windows vista, too.

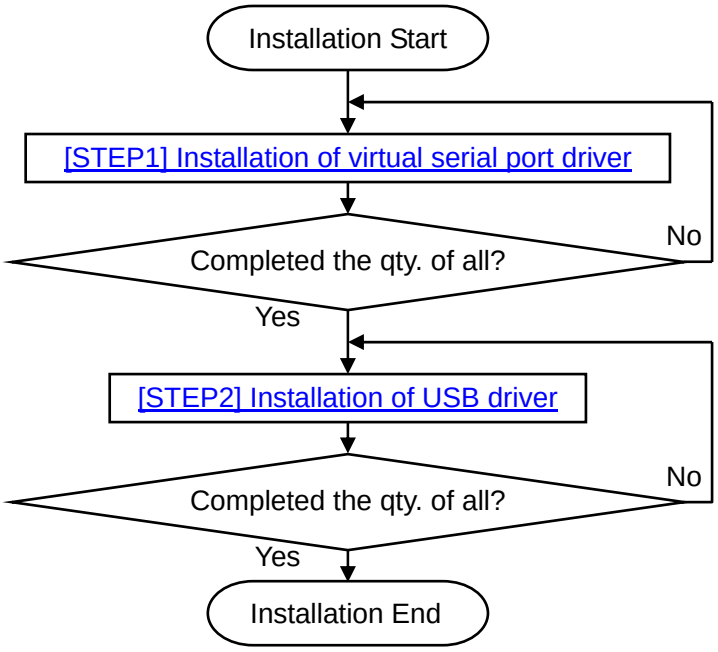
Note:

In case of Windows Vista and Windows 7, when a new device is connected, the search of its driver is started automatically. Then, quite a bit of time for search is spent. The above problem may be improved with setting to skip the search of Windows Update. About setting it, comply with the OS specification.

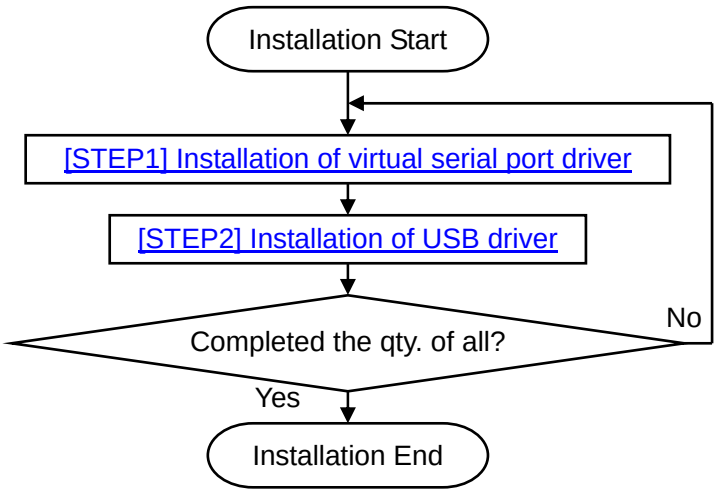
2.1 Steps of installation

This driver consists of the virtual serial port driver and the USB driver.
The steps of the driver's instillation are following. Please comply with the below steps.

■ **The case that the number of the connected USB device is determined**



■ **The case that one USB device is added repeatedly**

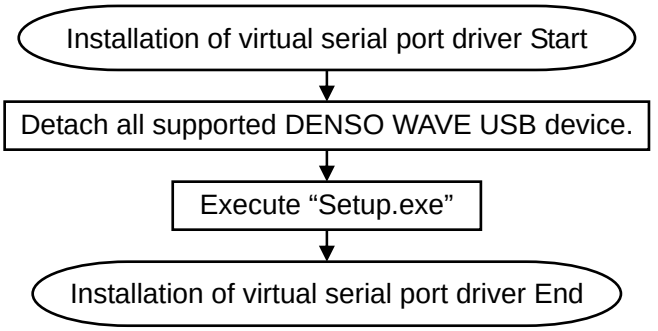


Note:

- If you use multiple USB ports, please execute “Setup.exe” in each USB port. The more you execute “Setup.exe”, the more you can add COM ports.
- Multiple USB ports cannot be assigned to 1 COM port.
- If you use multiple USB ports even if you use 1 USB device, you should add the COM port as same number as USB ports you use by executing the “Setup.exe”.
- In case of the PC that supported USB2.0 Specification, the two USB controllers (EHCI and UHCI (or OHCI)) are assigned to 1 USB port. In this case, the USB port is assigned the different COM port number in via EHCI and via UHCI (or OHCI). If you use separate the COM port numbers, please execute “Setup.exe” twice.

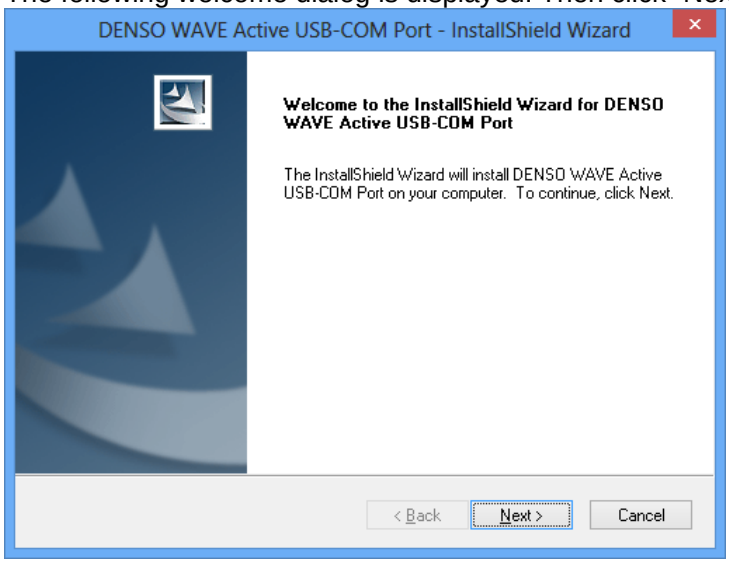
2.2 [STEP1] Installation of virtual serial port driver

To install the virtual serial port driver, please execute “Setup.exe”. The step is as below.

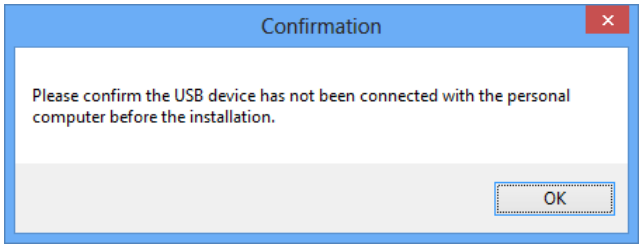

Installation of virtual serial port driver Start
Detach all supported DENSO WAVE USB device.
Execute “Setup.exe”
Installation of virtual serial port driver End

[Windows 8]

1) Execute “Setup.exe”. The user account control massage window is displayed. Then click “Yes” button.
2) The following welcome dialog is displayed. Then click “Next>” button.


DENSO WAVE Active USB-COM Port - InstallShield Wizard
Welcome to the InstallShield Wizard for DENSO WAVE Active USB-COM Port
The InstallShield Wizard will install DENSO WAVE Active USB-COM Port on your computer. To continue, click Next.
< Back
Next >
Cancel

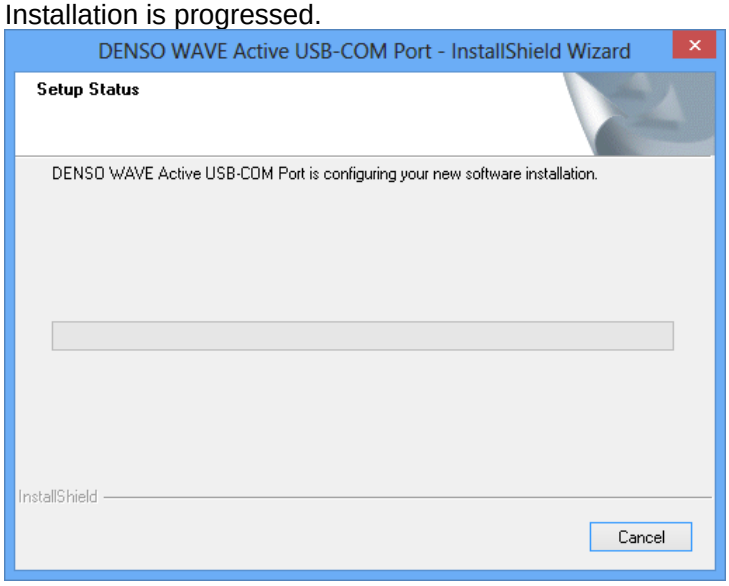
3) Confirm a target USB device not connecting with PC.
Confirm the cable connection and click "OK" button.


Confirmation
Please confirm the USB device has not been connected with the personal computer before the installation.
OK

Note:

Even if it is the installation for the second device, please confirm detachments of all devices that use this driver.

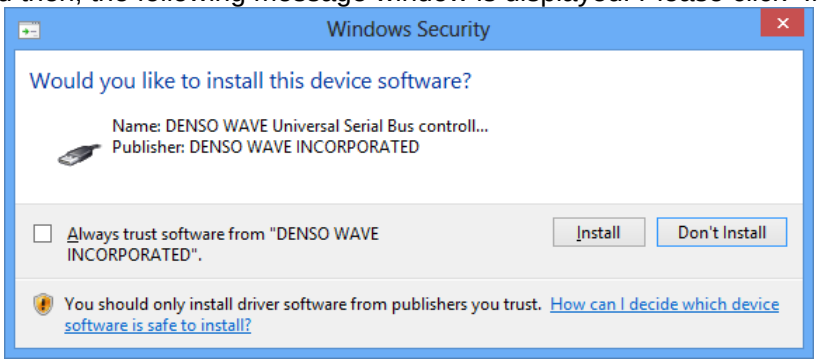
4) Installation is progressed.


DENSO WAVE Active USB-COM Port - InstallShield Wizard
Setup Status
DENSO WAVE Active USB-COM Port is configuring your new software installation.
InstallShield
Cancel

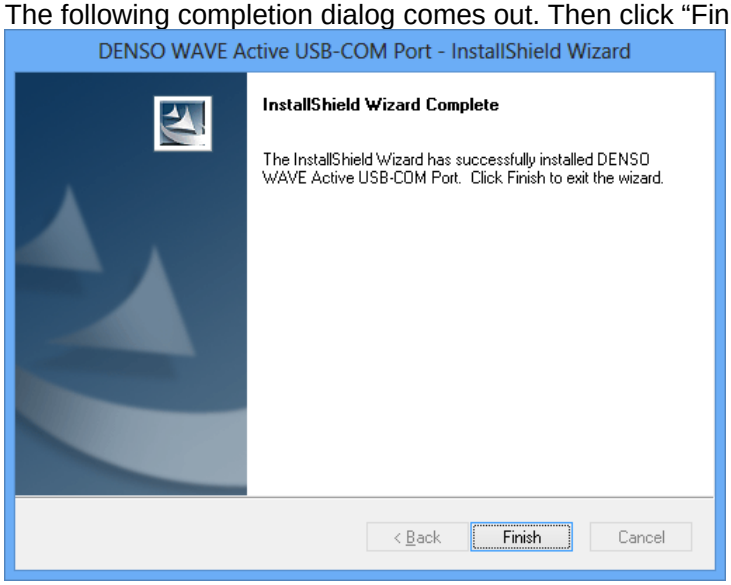
When the installation is started, the following message window is displayed. Please click “Install” button.

Windows Security
Would you like to install this device software?
Name: DENSO WAVE Ports (COM & LPT)
Publisher: DENSO WAVE INCORPORATED
Always trust software from "DENSO WAVE INCORPORATED".
Install
Don't Install
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

And then, the following message window is displayed. Please click “Install” button.

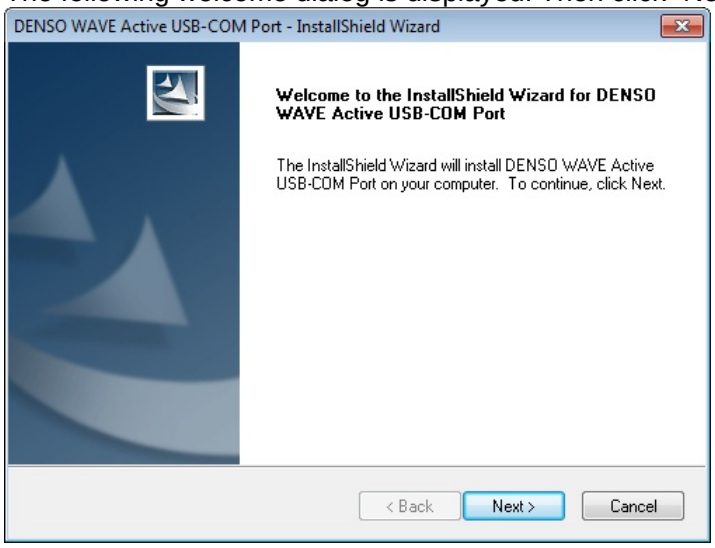

Windows Security
Would you like to install this device software?
Name: DENSO WAVE Universal Serial Bus controll...
Publisher: DENSO WAVE INCORPORATED
Always trust software from "DENSO WAVE INCORPORATED".
Install
Don't Install
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

5) The following completion dialog comes out. Then click “Finish” button.

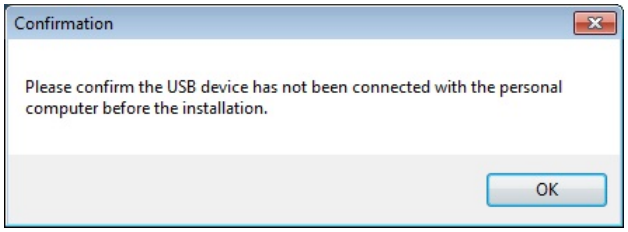

DENSO WAVE Active USB-COM Port - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed DENSO WAVE Active USB-COM Port. Click Finish to exit the wizard.
< Back
Finish
Cancel

[Windows 7]

1) Execute “Setup.exe”. The user account control massage window is displayed. Then click “Yes” button.
2) The following welcome dialog is displayed. Then click “Next>” button.


DENSO WAVE Active USB-COM Port - InstallShield Wizard
Welcome to the InstallShield Wizard for DENSO WAVE Active USB-COM Port
The InstallShield Wizard will install DENSO WAVE Active USB-COM Port on your computer. To continue, click Next.
< Back
Next >
Cancel

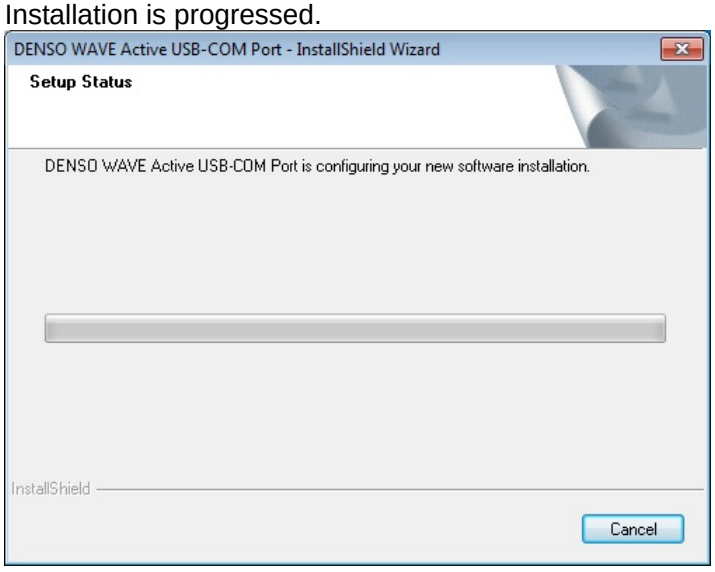
3) Confirm a target USB device not connecting with PC.
   Confirm the cable connection and click "OK" button.


Confirmation
Please confirm the USB device has not been connected with the personal computer before the installation.
OK

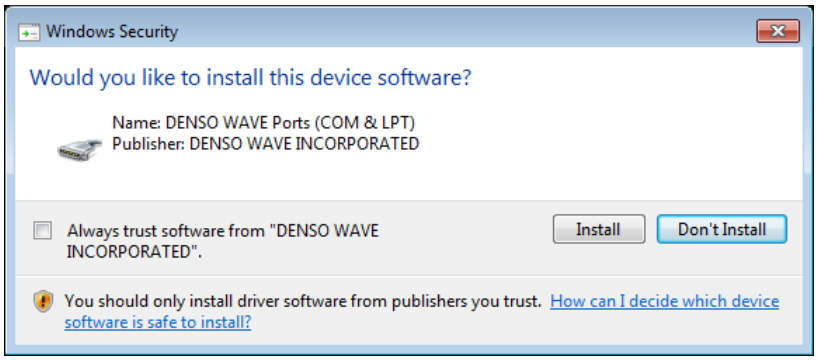
Note:

Even if it is the installation for the second device, please confirm detachments of all devices that use this driver.

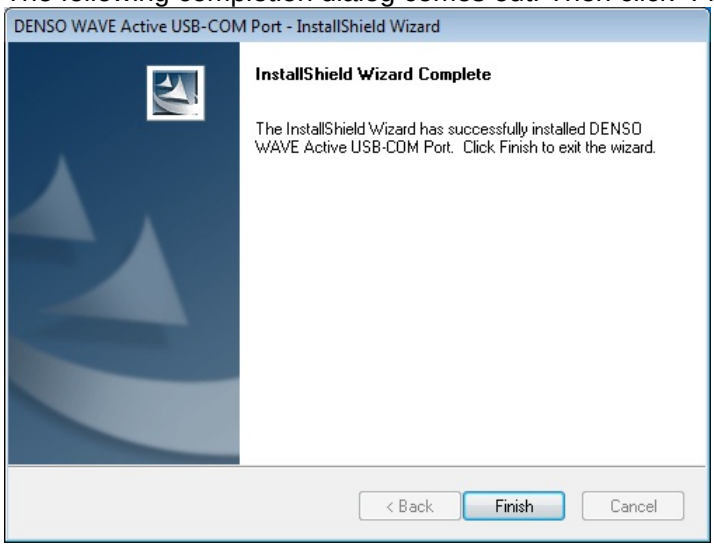
4) Installation is progressed.


DENSO WAVE Active USB-COM Port - InstallShield Wizard
Setup Status
DENSO WAVE Active USB-COM Port is configuring your new software installation.
InstallShield
Cancel

When the installation is started, the following message window is displayed. Please click “Install” button.

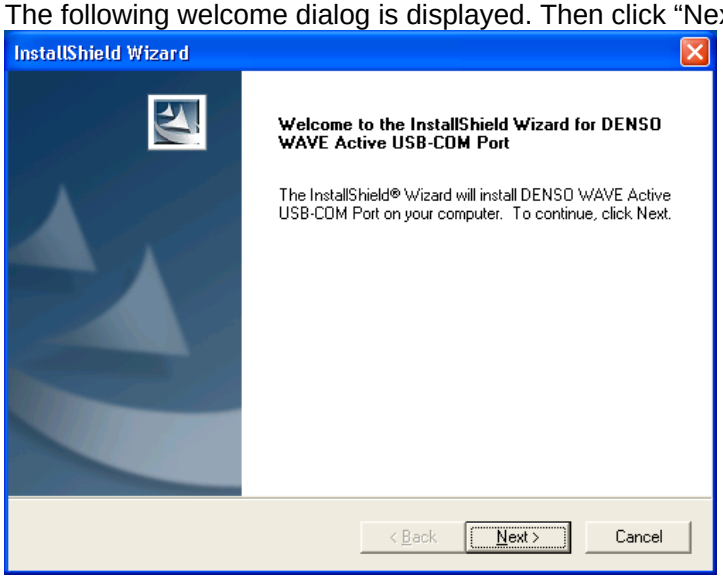

Windows Security
Would you like to install this device software?
Name: DENSO WAVE Ports (COM & LPT)
Publisher: DENSO WAVE INCORPORATED
Always trust software from "DENSO WAVE INCORPORATED".
Install
Don't Install
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

5) The following completion dialog comes out. Then click “Finish” button.

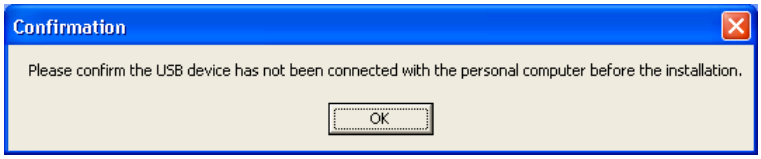

DENSO WAVE Active USB-COM Port - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed DENSO WAVE Active USB-COM Port. Click Finish to exit the wizard.
< Back
Finish
Cancel

[Windows XP]

1) Execute “Setup.exe”.
2) The following welcome dialog is displayed. Then click “Next>” button.


InstallShield Wizard
Welcome to the InstallShield Wizard for DENSO WAVE Active USB-COM Port
The InstallShield® Wizard will install DENSO WAVE Active USB-COM Port on your computer. To continue, click Next.
< Back
Next >
Cancel

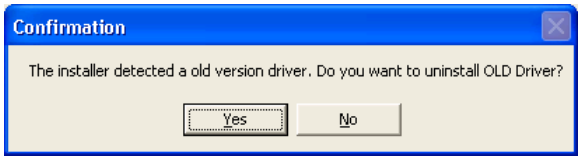
3) Confirm a target USB device not connecting with PC.
   Confirm the cable connection and click "OK" button.


Confirmation
Please confirm the USB device has not been connected with the personal computer before the installation.
OK

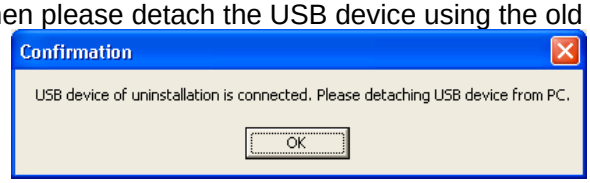
Note:

Even if it is the installation for the second device, please confirm detachments of all devices that use this driver.

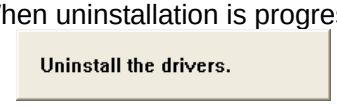
If you have installed the DENSO WAVE USB-COM Port Driver Version 1.x, the following confirmation dialog comes out. For updating a driver, you have to uninstall a old version driver. Click "Yes" button.



If the following confirmation dialog is displayed, the old version driver is working now.
Then please detach the USB device using the old driver.

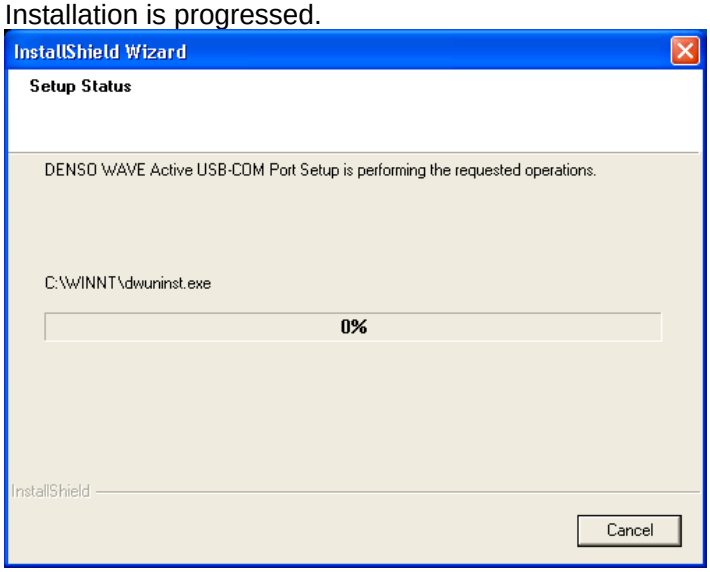


When uninstallation is progressed, the following message is displayed.

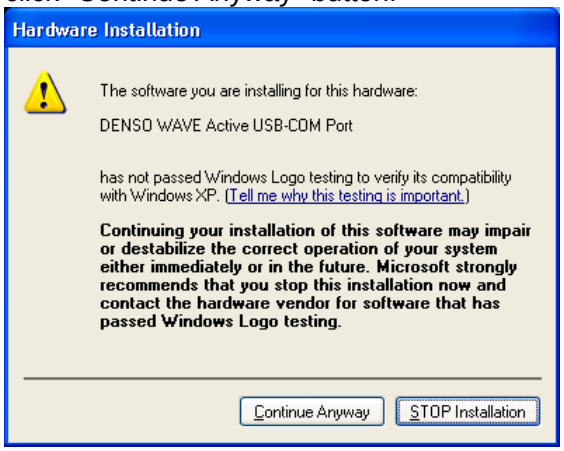


After uninstallation of the old version, click "Finish" button and reboot your PC.
After rebooting, please try again the driver installation from the first step.

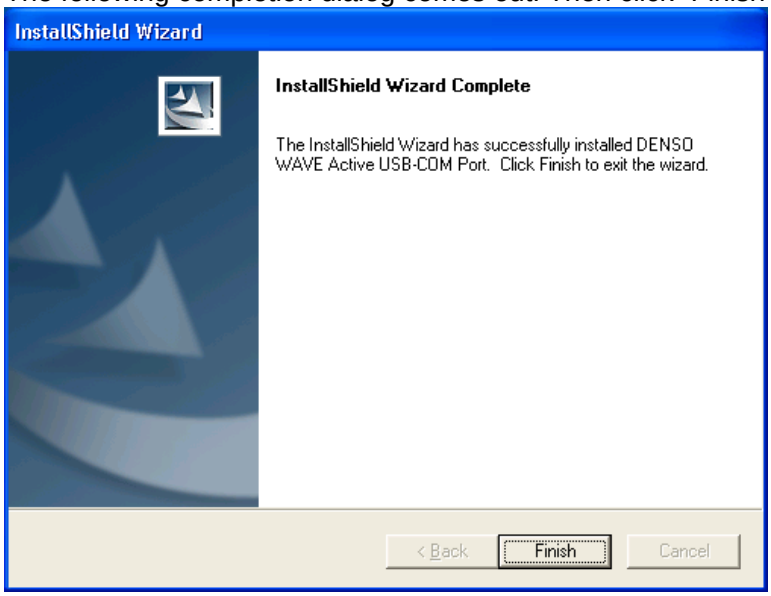
4) Installation is progressed.



5) Additionally, when the following caution dialog of Windows Logo comes out, click "Continue Anyway" button.

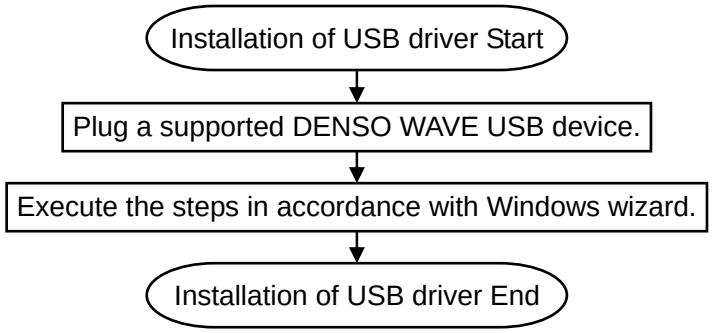

Hardware Installation
The software you are installing for this hardware:
DENSO WAVE Active USB-COM Port
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

6) The following completion dialog comes out. Then click “Finish” button.


InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed DENSO WAVE Active USB-COM Port. Click Finish to exit the wizard.
< Back
Finish
Cancel

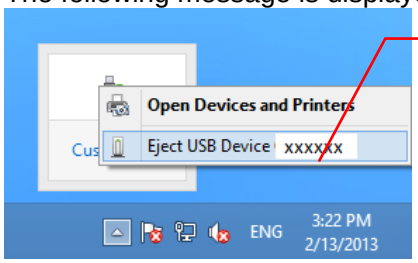
2.3 [STEP2] Installation of USB driver

To install the USB driver, please plug a USB device in the USB port. The step is as below.


Installation of USB driver Start
Plug a supported DENSO WAVE USB device.
Execute the steps in accordance with Windows wizard.
Installation of USB driver End

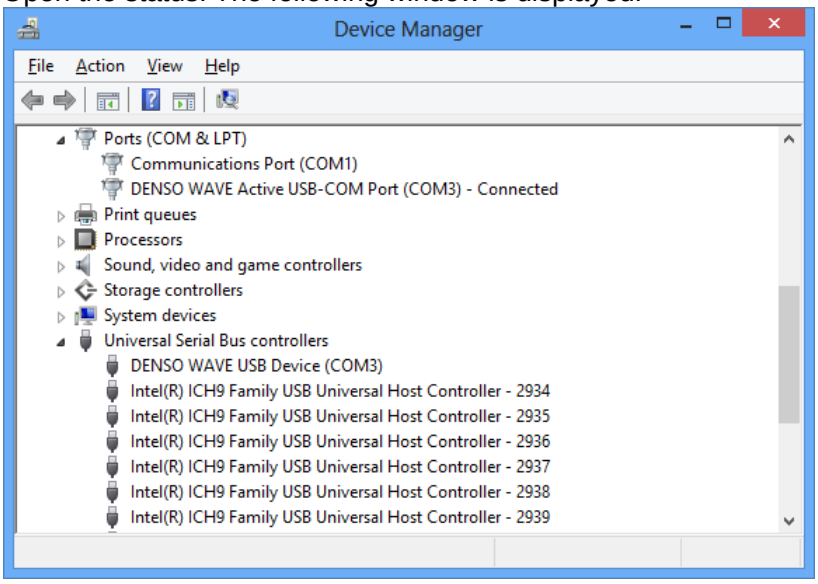
[Windows 8]

1) Connect a target USB device to your PC.
2) The following message is displayed on Task Bar and the installation is finished.



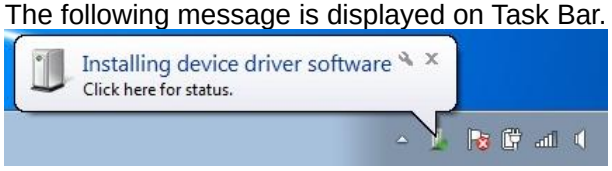
CU-421 is displayed as “CU-221/321”.
CU-621 and CU-821 are displayed as “CU-521”.

3) Open the status. The following window is displayed.

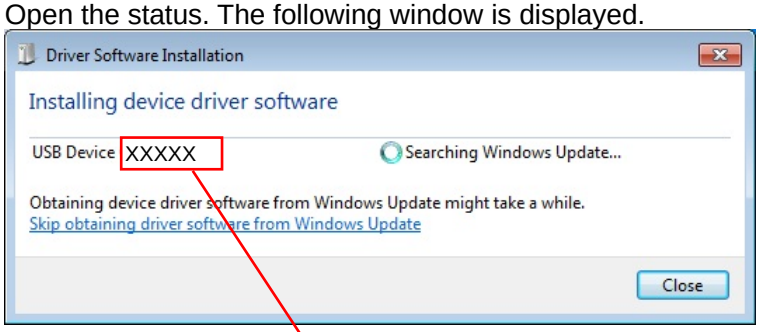

Device Manager
File Action View Help
Ports (COM & LPT)
Communications Port (COM1)
DENSO WAVE Active USB-COM Port (COM3) - Connected
Print queues
Processors
Sound, video and game controllers
Storage controllers
System devices
Universal Serial Bus controllers
DENSO WAVE USB Device (COM3)
Intel(R) ICH9 Family USB Universal Host Controller - 2934
Intel(R) ICH9 Family USB Universal Host Controller - 2935
Intel(R) ICH9 Family USB Universal Host Controller - 2936
Intel(R) ICH9 Family USB Universal Host Controller - 2937
Intel(R) ICH9 Family USB Universal Host Controller - 2938
Intel(R) ICH9 Family USB Universal Host Controller - 2939

[Windows 7]

1) Connect a target USB device to your PC.
2) The following message is displayed on Task Bar.

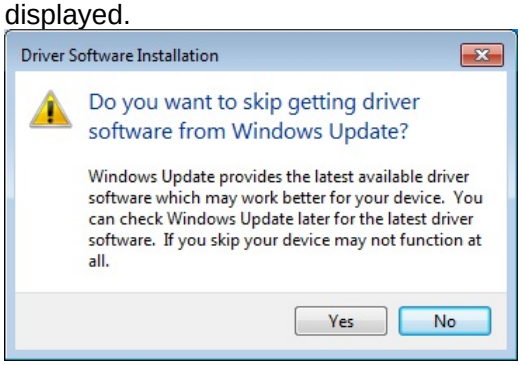


3) Open the status. The following window is displayed.


Driver Software Installation
Installing device driver software
USB Device XXXXX
Searching Windows Update...
Obtaining device driver software from Windows Update might take a while.
Skip obtaining driver software from Windows Update
Close

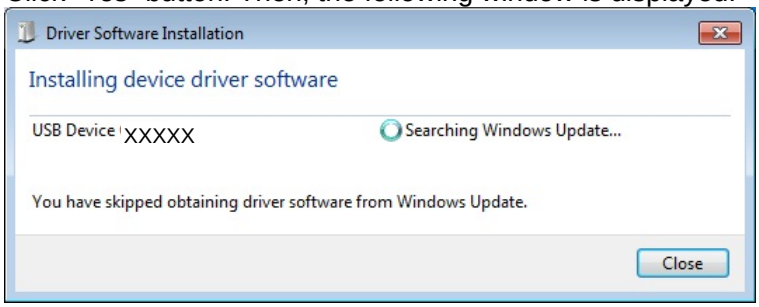
CU-421 is displayed as “CU-221/321”.
CU-621 and CU-821 are displayed as “CU-521”.

4) Click “Skip obtaining driver software from Windows Update”. The following window is displayed.

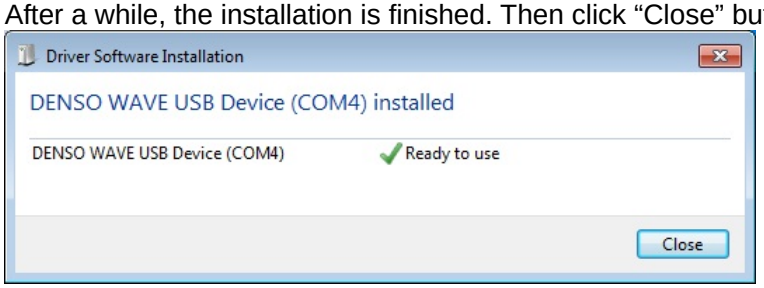

Driver Software Installation
Do you want to skip getting driver software from Windows Update?
Windows Update provides the latest available driver software which may work better for your device. You can check Windows Update later for the latest driver software. If you skip your device may not function at all.
Yes
No

If the PC does not connect to the network, “Skip obtaining driver software from Windows Update” is not described.

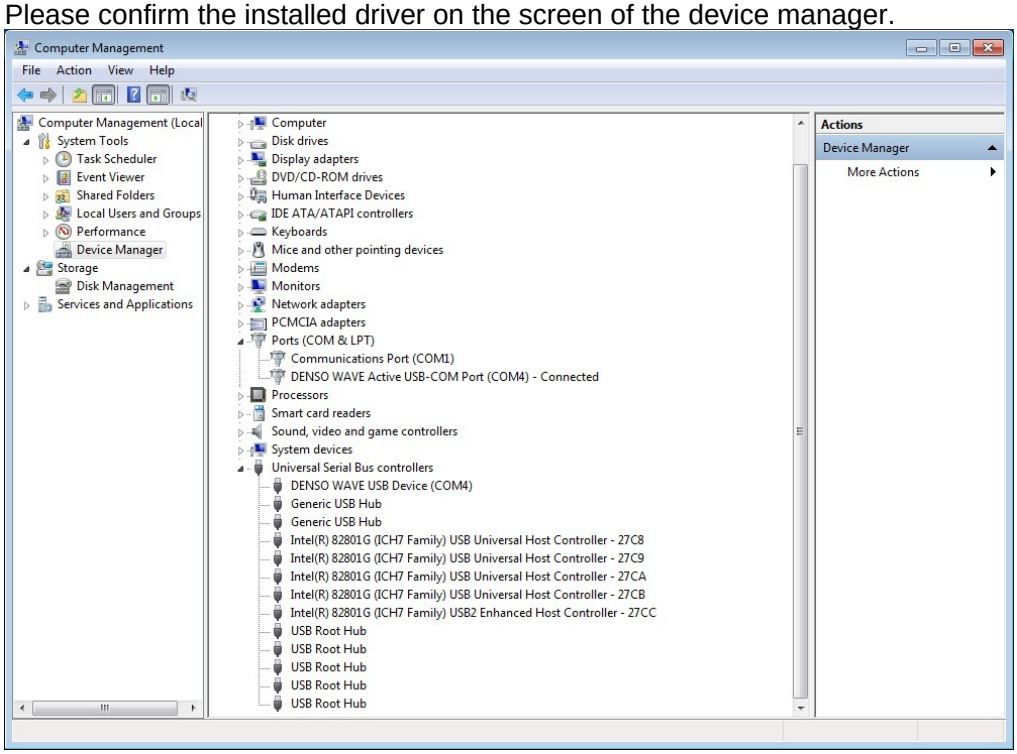
5) Click “Yes” button. Then, the following window is displayed.



6) After a while, the installation is finished. Then click “Close” button.



7) Please confirm the installed driver on the screen of the device manager.

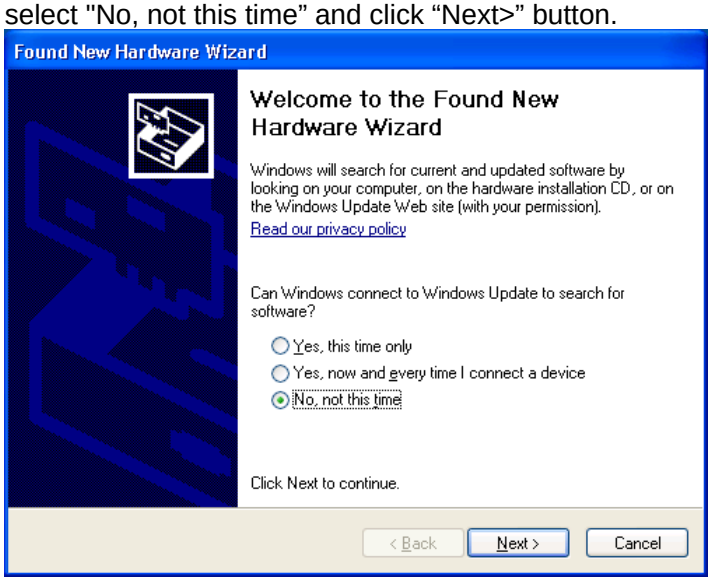


[Windows XP]

1) Connect a target USB device to your PC.
2) A new hardware is found.

CU-421 is displayed as “CU-221/321”.
CU-621 and CU-821 are displayed as “CU-521”.

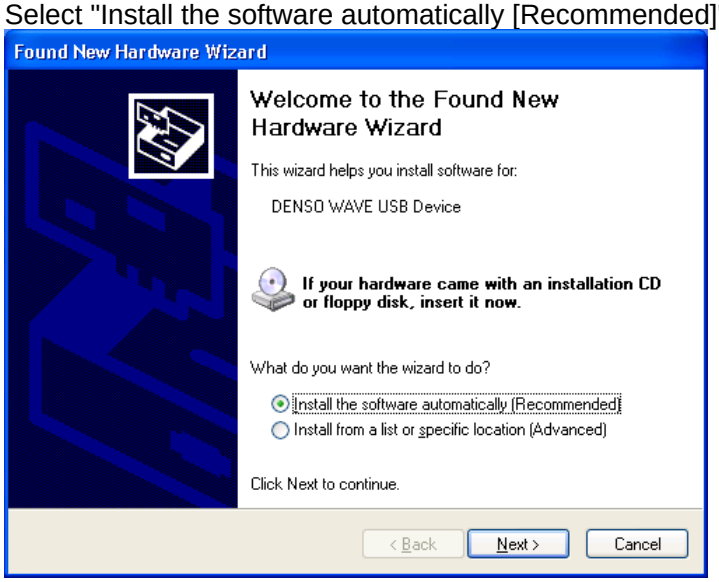
3) After a short time, if the following "Found New Hardware Wizard" dialog comes out, select "No, not this time" and click “Next>” button.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

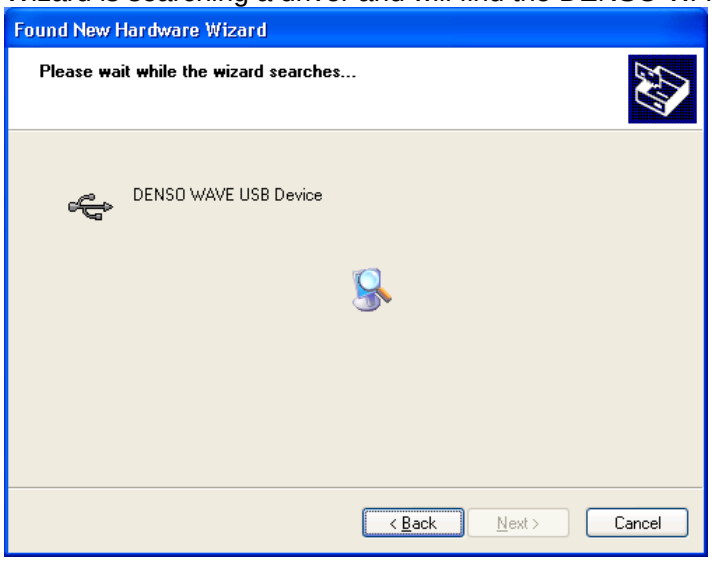
TIP:

In case of Windows Service Pack, The above dialog is not displayed.

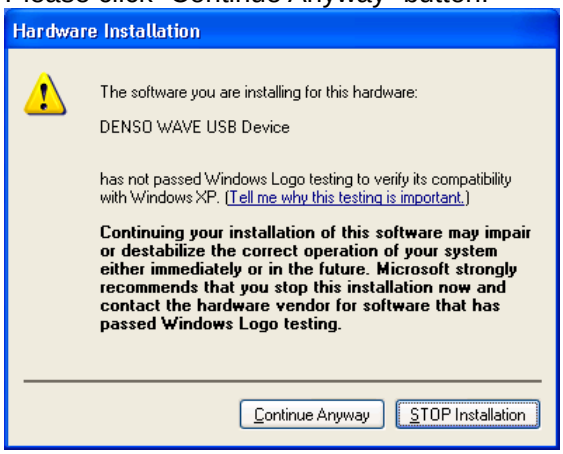
4) The following "Found New Hardware Wizard" dialog comes out.
Select "Install the software automatically [Recommended]" and click “Next>” button.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
DENSO WAVE USB Device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically [Recommended]
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

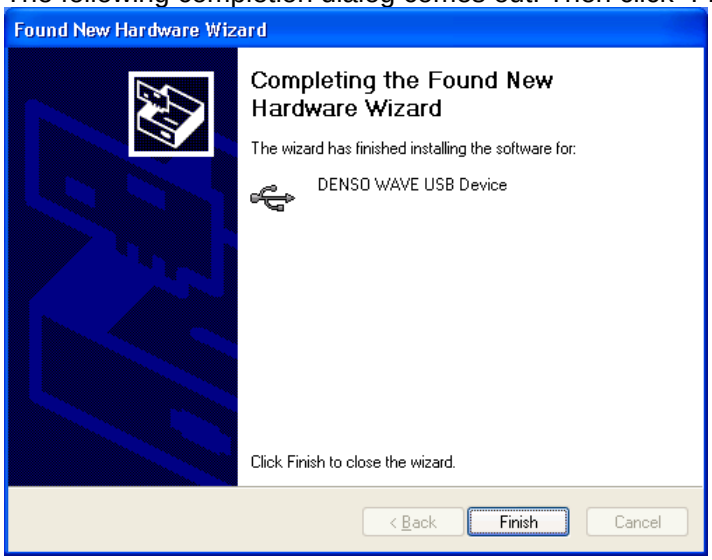
5) Wizard is searching a driver and will find the DENSO WAVE USB Device's driver.



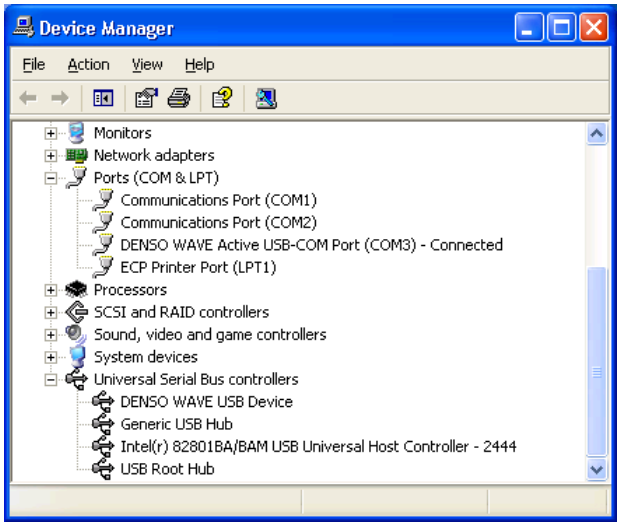
6) After the driver is found, the following Windows Logo caution is displayed. Please click “Continue Anyway” button.


Hardware Installation
The software you are installing for this hardware:
DENSO WAVE USB Device
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

7) The following completion dialog comes out. Then click “Finish” button.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
DENSO WAVE USB Device
Click Finish to close the wizard.
< Back
Finish
Cancel

8) Please confirm the installed driver on the screen of the device manager.



2.4 How to unplug the hardware in safety

If you need to confirm the status of the USB device or unplug the device under USB device connection, the message “Unplugging DENSO WAVE USB Device (COMx) in safety” is displayed on the task tray.

2.5 Changing the COM port number

You can change the COM port number on the device manager.

Note:

In installation, the unused smallest COM port number is assigned. In case of changing a COM port number manually, the unused COM port number that is equal to COM1 or more than can be assigned.
You should change the COM port number after removing the device.
In case though you change the COM port number, the display of device manager or task tray icon is not be updated, please make the imaginary serial port enable after making the port disable temporality in order to update the display of COM port number.

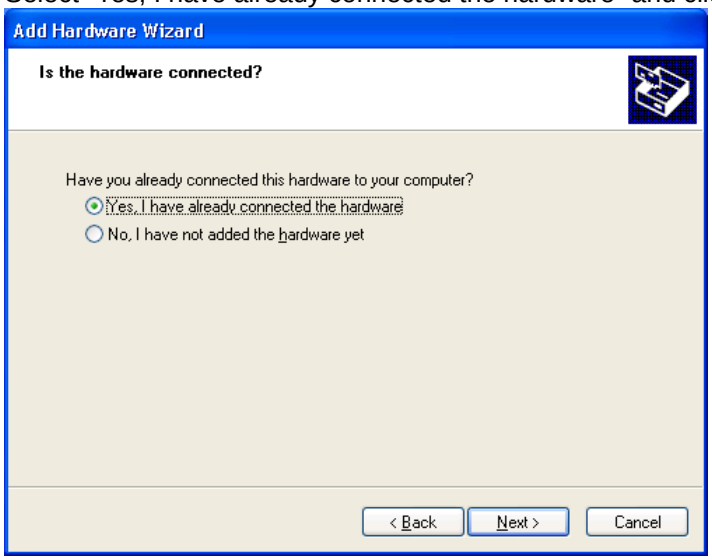
2.6 How to use Microsoft ActiveSync through CU (Windows XP only)

If you need to use the Microsoft ActiveSync through the CU-221 or CU-421 as a IrDA device, the installation of the “Serial Cable using IrDA Protocol” driver is needed.

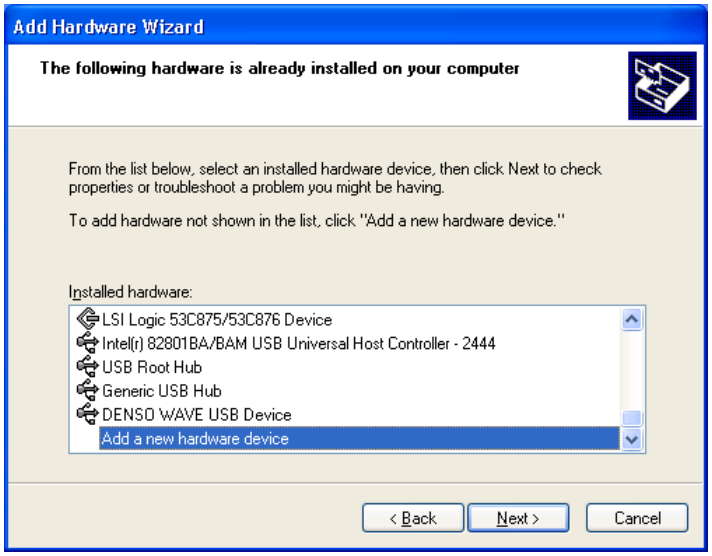
1) Open “Add Hardware Wizard” on the control panel.
2) Click “Next>” button on the following welcome dialog.

Add Hardware Wizard
Welcome to the Add Hardware Wizard
This wizard helps you:
• Install software to support the hardware you add to your computer.
• Troubleshoot problems you may be having with your hardware.
If your hardware came with an installation CD, it is recommended that you click Cancel to close this wizard and use the manufacturer's CD to install this hardware.
To continue, click Next.
< Back
Next >
Cancel

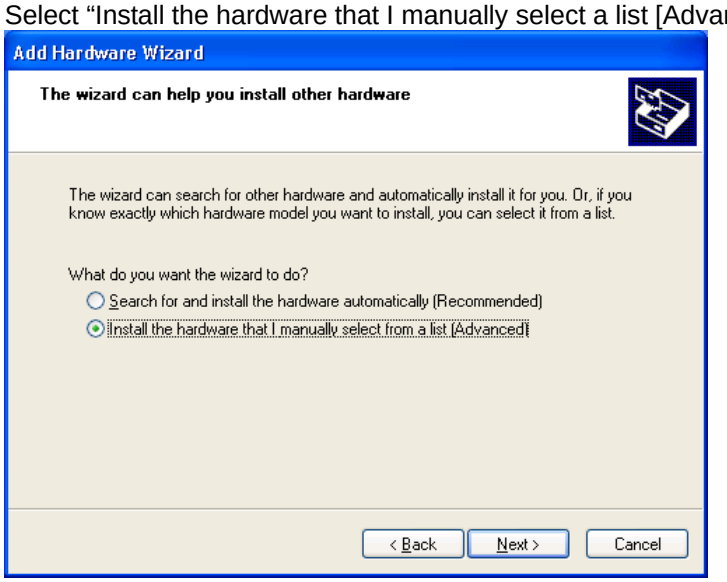
3) Select “Yes, I have already connected the hardware" and click “Next>” button.


Add Hardware Wizard
Is the hardware connected?
Have you already connected this hardware to your computer?
Yes, I have already connected the hardware
No, I have not added the hardware yet
< Back
Next >
Cancel

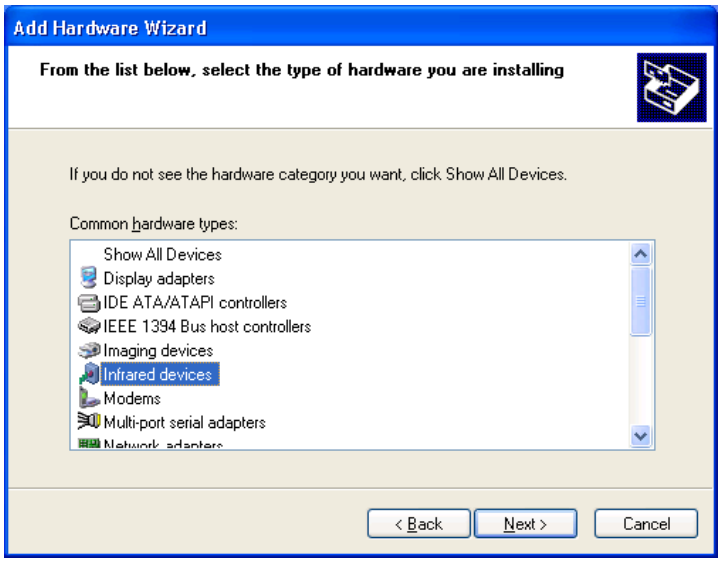
4) Select “Add a new hardware device” and click “Next>” button.


Add Hardware Wizard
The following hardware is already installed on your computer
From the list below, select an installed hardware device, then click Next to check properties or troubleshoot a problem you might be having.
To add hardware not shown in the list, click "Add a new hardware device."
Installed hardware:
LSI Logic 53C875/53C876 Device
Intel(r) 82801BA/BAM USB Universal Host Controller - 2444
USB Root Hub
Generic USB Hub
DENSO WAVE USB Device
Add a new hardware device
< Back
Next >
Cancel

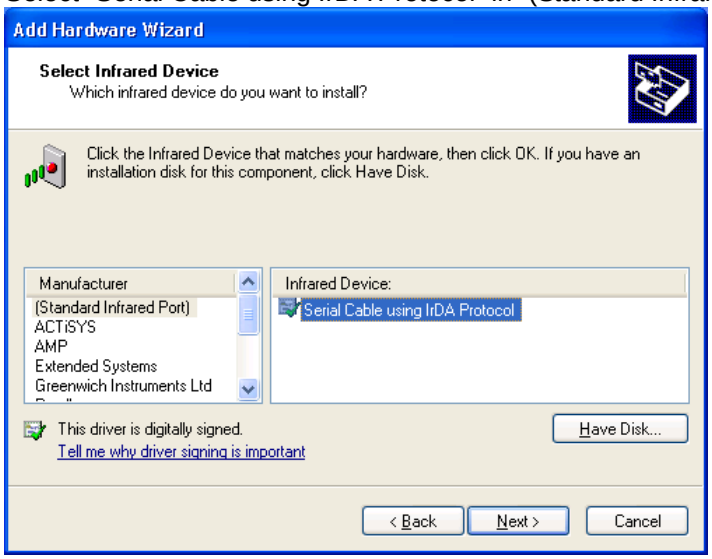
5) Select “Install the hardware that I manually select a list [Advanced]” and click “Next>” button.


Add Hardware Wizard
The wizard can help you install other hardware
The wizard can search for other hardware and automatically install it for you. Or, if you know exactly which hardware model you want to install, you can select it from a list.
What do you want the wizard to do?
Search for and install the hardware automatically (Recommended)
Install the hardware that I manually select from a list [Advanced]
< Back
Next >
Cancel

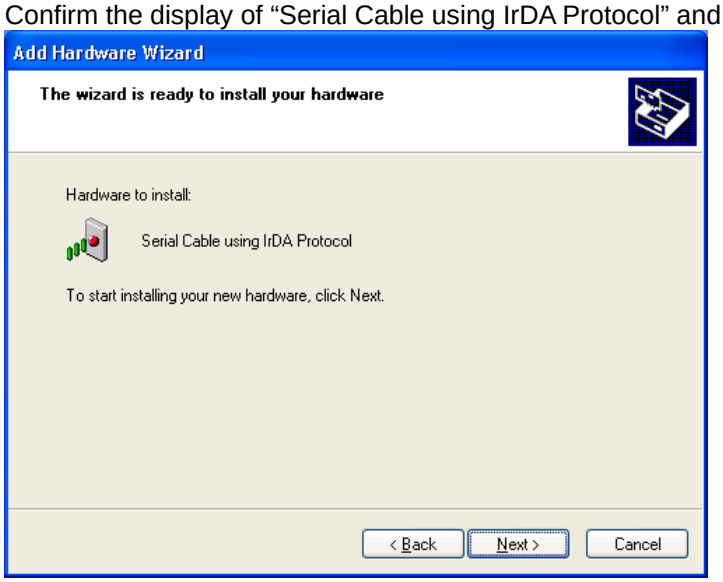
6) Select “Infrared devices” and click “Next>” button.


Add Hardware Wizard
From the list below, select the type of hardware you are installing
If you do not see the hardware category you want, click Show All Devices.
Common hardware types:
Show All Devices
Display adapters
IDE ATA/ATAPI controllers
IEEE 1394 Bus host controllers
Imaging devices
Infrared devices
Modems
Multi-port serial adapters
< Back
Next >
Cancel

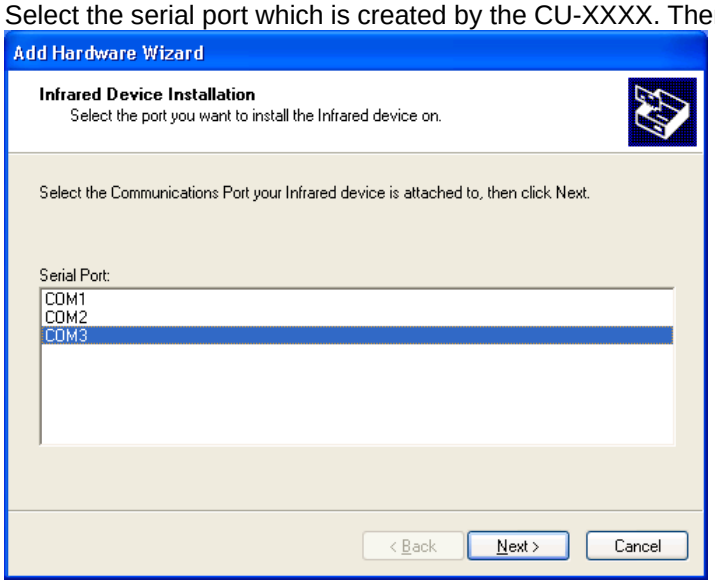
7) Select “Serial Cable using IrDA Protocol” in “(Standard Infrared Port)” and click “Next>” button.


Add Hardware Wizard
Select Infrared Device
Which infrared device do you want to install?
Click the Infrared Device that matches your hardware, then click OK. If you have an installation disk for this component, click Have Disk.
Manufacturer
(Standard Infrared Port)
ACTiSYS
AMP
Extended Systems
Greenwich Instruments Ltd
Infrared Device:
Serial Cable using IrDA Protocol
This driver is digitally signed.
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

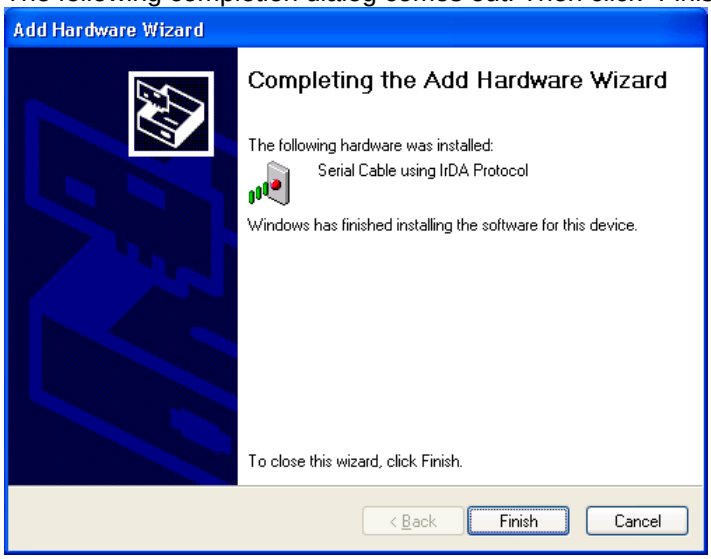
8) Confirm the display of “Serial Cable using IrDA Protocol” and click “Next>” button.


Add Hardware Wizard
The wizard is ready to install your hardware
Hardware to install:
Serial Cable using IrDA Protocol
To start installing your new hardware, click Next.
< Back
Next >
Cancel

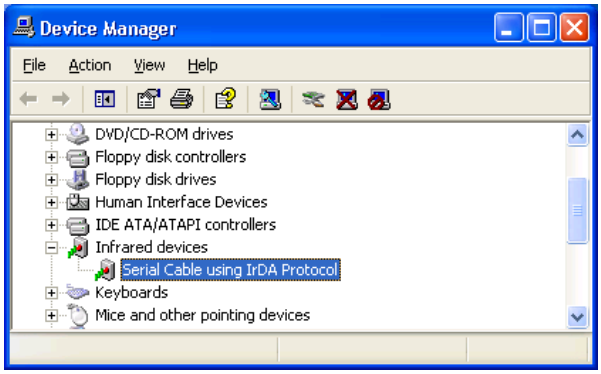
9) Select the serial port which is created by the CU-XXXX. Then click “Next>” button.


Add Hardware Wizard
Infrared Device Installation
Select the port you want to install the Infrared device on.
Select the Communications Port your Infrared device is attached to, then click Next.
Serial Port:
COM1
COM2
COM3
< Back
Next >
Cancel

10) The following completion dialog comes out. Then click “Finish” button.


Add Hardware Wizard
Completing the Add Hardware Wizard
The following hardware was installed:
Serial Cable using IrDA Protocol
Windows has finished installing the software for this device.
To close this wizard, click Finish.
< Back
Finish
Cancel

11) Confirm the installed driver on the screen of the device manager.



12) Installation of the IrDA protocol driver has been finished.
Please confirm the communication on Microsoft ActiveSync through the installed COM port.

3. Uninstallation

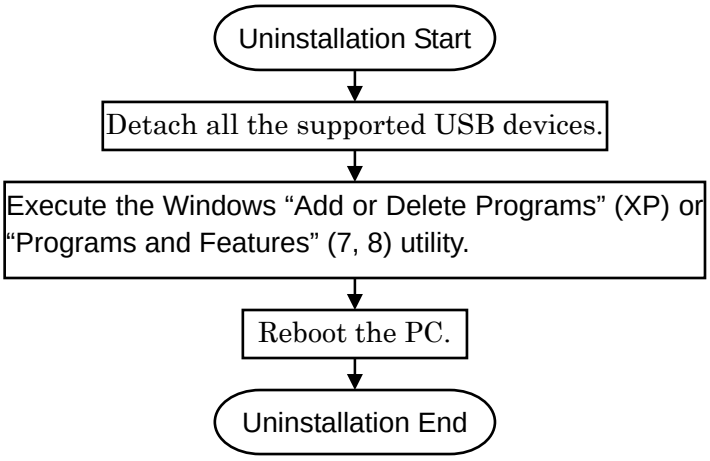
This section describes how to uninstall Active USB-COM Port Driver.

TIP:

The following uninstallation steps are common for them of Windows XP, Windows Vista, Windows 7 and Windows 8. Here, the uninstallation steps of Windows XP, Windows 7 and Windows 8 are described.

3.1 Uninstallation of Active USB-COM Port Driver

The steps of the driver's uninstillation are following. Please comply with the below steps.


Uninstallation Start
Detach all the supported USB devices.
Execute the Windows "Add or Delete Programs" (XP) or "Programs and Features" (7, 8) utility.
Reboot the PC.
Uninstallation End

Note:

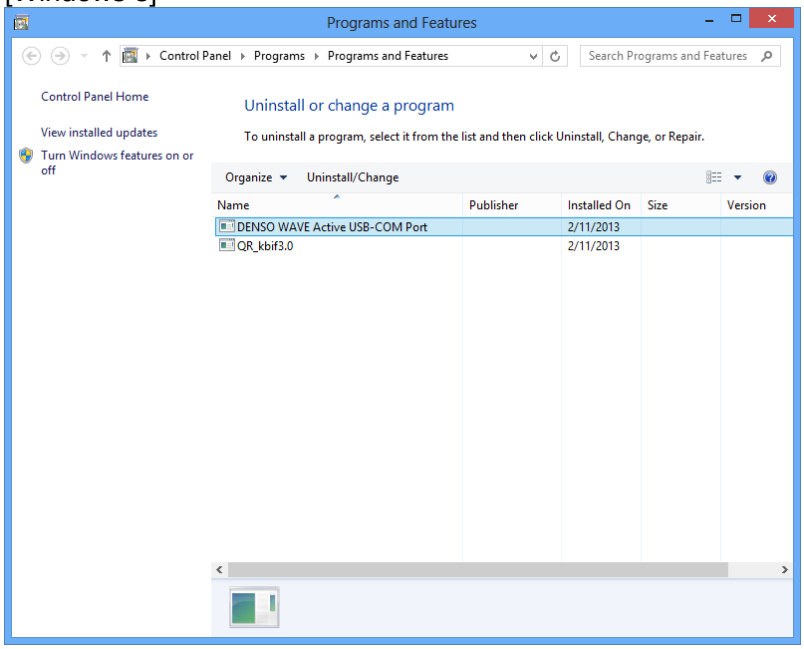
You need to uninstall those drivers in the order of reverse with those installation orders. Thus, you need to uninstall drivers in order of IrDA protocol, USB device and serial port.
When two or more devices that use this driver for the same PC are installed, the driver uninstallation means uninstalling all USB devices that use the Active USB-COM Port Driver. So, you cannot remove a device selectively.

1) Close all software that use Active USB-COM Port Driver, and detach all the supported USB devices.

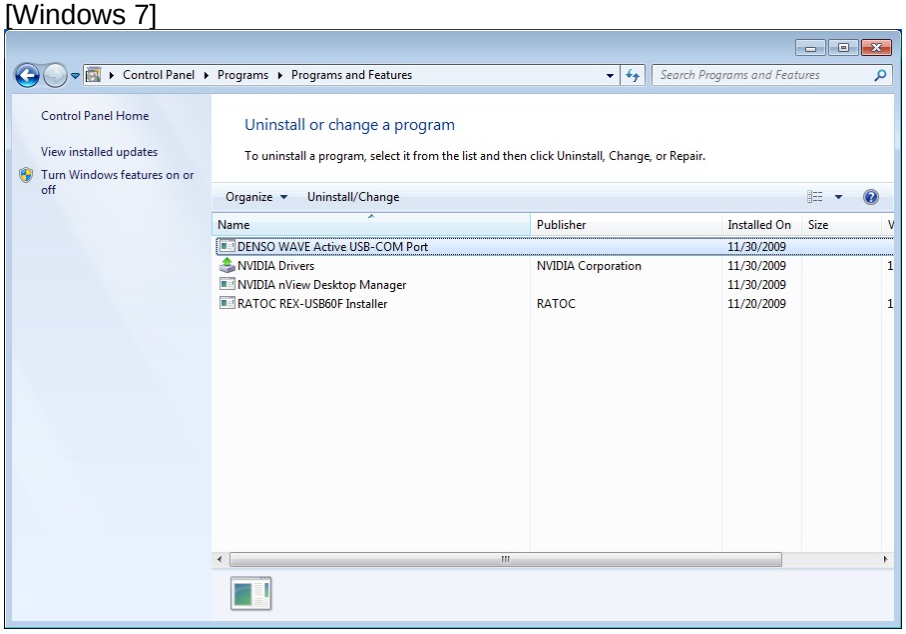
2) If the IrDA Protocol is used on Active USB-COM Port Driver, remove IrDA Protocol Driver at first. (Refer to section 3.2)

3) Open "Add or Remove Programs" form control panel and click "Change/Remove" button of "DENSO WAVE Active USB-COM Port"

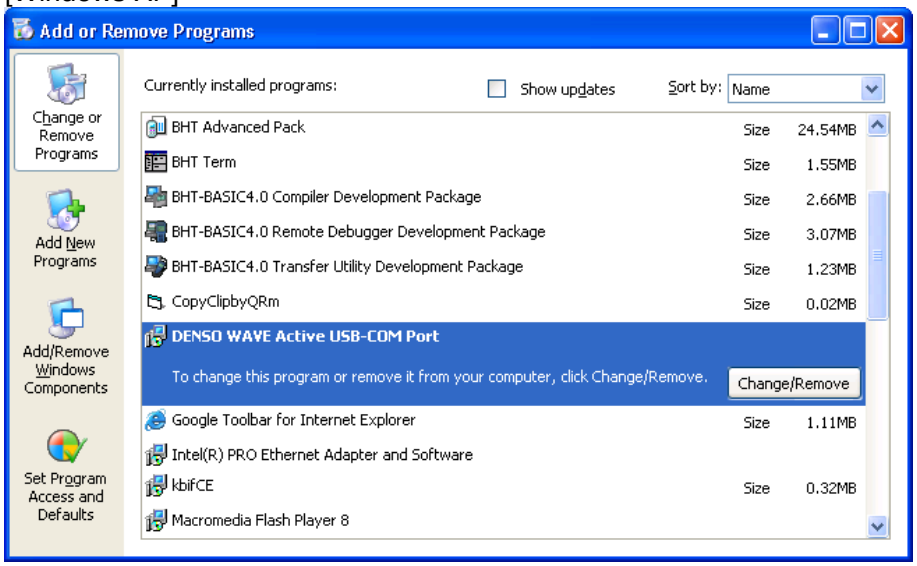
[Windows 8]



[Windows 7]

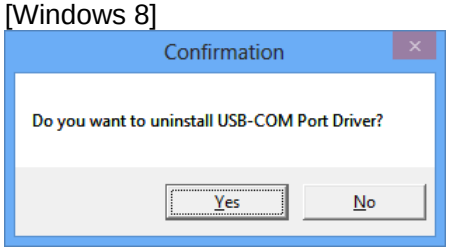


[Windows XP]

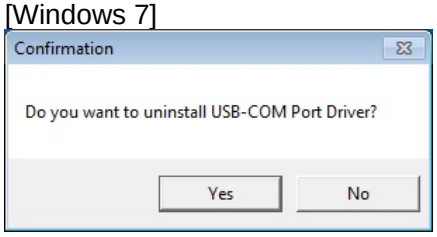

Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Set Program Access and Defaults
Currently installed programs:
Show updates
Sort by: Name
BHT Advanced Pack Size 24.54MB
BHT Term Size 1.55MB
BHT-BASIC4.0 Compiler Development Package Size 2.66MB
BHT-BASIC4.0 Remote Debugger Development Package Size 3.07MB
BHT-BASIC4.0 Transfer Utility Development Package Size 1.23MB
CopyClipbyQRm Size 0.02MB
DENSO WAVE Active USB-COM Port
To change this program or remove it from your computer, click Change/Remove.
Change/Remove
Google Toolbar for Internet Explorer Size 1.11MB
Intel(R) PRO Ethernet Adapter and Software
kbifCE Size 0.32MB
Macromedia Flash Player 8

4) The following confirmation message comes out. Then click "Yes" to start uninstallation.

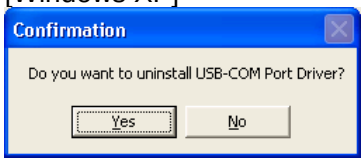
[Windows 8]



[Windows 7]

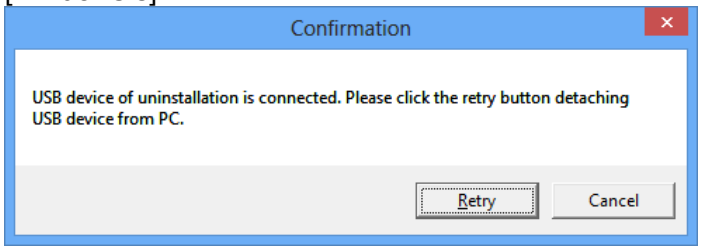


[Windows XP]

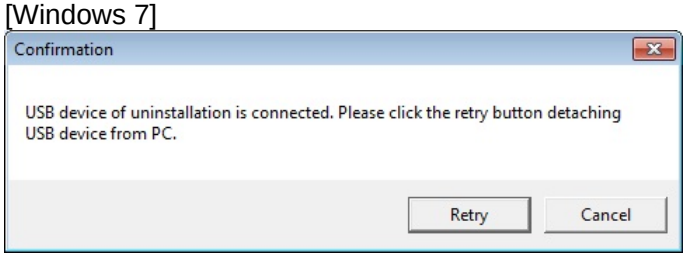


5) If the following message is displayed, the target USB device is still connecting. Please detach the target USB device and click "Retry" button.

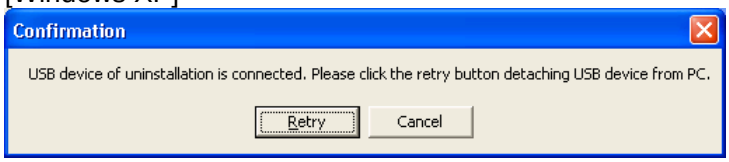
[Windows 8]


Confirmation
USB device of uninstallation is connected. Please click the retry button detaching USB device from PC.
Retry
Cancel

[Windows 7]

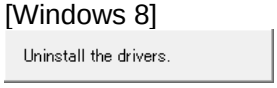

Confirmation
USB device of uninstallation is connected. Please click the retry button detaching USB device from PC.
Retry
Cancel

[Windows XP]

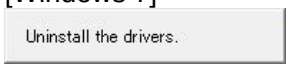

Confirmation
USB device of uninstallation is connected. Please click the retry button detaching USB device from PC.
Retry
Cancel

6) While uninstallation is progressed, the following message is displayed.

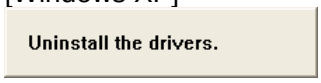
[Windows 8]



[Windows 7]

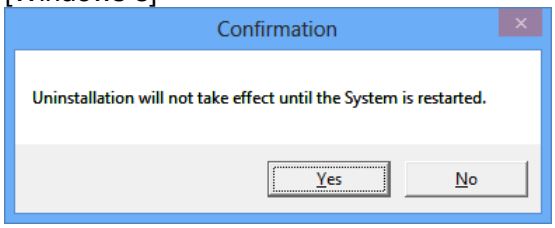


[Windows XP]

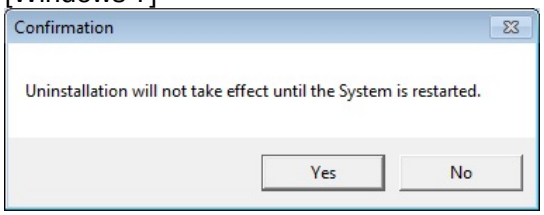


7) After uninstallation is finished, the following confirmation dialog come out. Then click "Yes" and reboot PC.

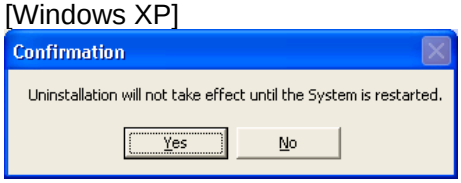
[Windows 8]



[Windows 7]



[Windows XP]

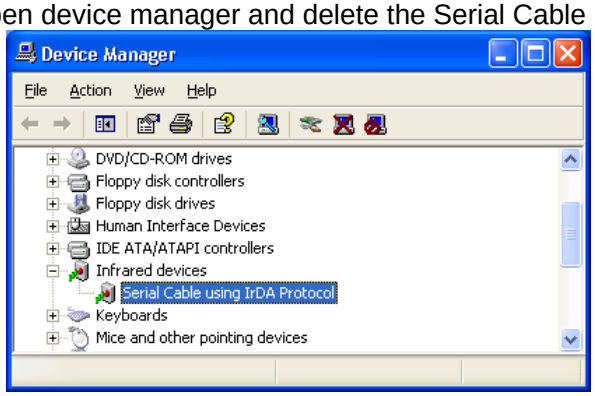


3.2 Uninstallation of Serial Cable using IrDA Protocol Driver

Notes:

For Microsoft ActiveSync thought CU.
Windows XP only.

Open device manager and delete the Serial Cable using IrDA Protocol driver.



Active USB-COM Port Driver
Installations Guide

6th Edition, Mar. 2013

DENSO WAVE INCORPORATED

The purpose of this manual is to provide accurate information in the installation and uninstallation of Active USB-COM Port Driver. Please feel free to send your comments regarding any errors or omissions you may have found, or any suggestions you may have for generally improving the manual.
In no event will DENSO WAVE be liable for any direct or indirect damages resulting from the application of the information in this manual.